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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,865	10/14/2005	Eckhard Hanelt	WAS0695PUSA	9647
22045 BROOKS KUS	7590 08/14/200° HMAN P.C.		EXAMINER	
1000 TOWN CENTER TWENTY-SECOND FLOOR SOUTHFIELD, MI 48075			WU, SHEAN CHIU	
			ART UNIT	PAPER NUMBER
			1756	_
			MAIL DATE '	DELIVERY MODE
			08/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Summary	10/533,865	HANELT ET AL.			
Office Action Summary	Examiner	Art Unit			
TI MANUNO DATE (III	/Shean C. Wu/	1756			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time 17 ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 12 Ju	1) Responsive to communication(s) filed on 12 July 2005.				
2a) ☐ This action is FINAL . 2b) ☐ This	This action is FINAL . 2b)⊠ This action is non-final.				
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 11-29 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 11-29 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.	,			
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on 05 May 2005 is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	accepted or b) objected to define on the definition of the definition of the drawing of the draw	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ■ All b) ■ Some * c) ■ None of: 1. ■ Certified copies of the priority documents have been received. 2. ■ Certified copies of the priority documents have been received in Application No. ■ 3. ■ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/12/05.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 11-17 and 19-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Hikmet (US 5,762,823 or equivalent EP 643,121).

The reference discloses a switchable cholesteric filter comprises an optically active layer, which is situated between two substrates provided with an electrode for applying an electric field. The optically active layer contains a liquid crystalline material, which is in the cholesteric phase and comprises a three-dimensional polymer network consisting of the polymerization product of 2 wt.% of monomers containing at least two polymerizable groups and 30 wt.% of liquid crystalline monomers containing one polymerizable group, the rest of the optically active layer consisting predominantly of a mixture of chiral and/or achiral liquid crystalline molecules. The reference example a

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mixture consisting of 0.7 wt. % of the diacrylate C6M (as two polymerizable groups of the present (A)), 20 wt. % of the chiral monoacrylate 267, 4 wt. % of the non-reactive, chiral CB15 (as nonpolymerizable liquid crystal of the present (C)) and 75.3 wt. % of the non-reactive, achiral 18840 (as nonpolymerizable liquid crystal of the present (C)) was polymerized, in the presence of 1 wt. % of Igacure 651. It is noted that the monoacrylate 267 (as one polymerizable group of the present (B)) is substantially identical to CB6. Unlike CB6, monoacrylate 267 comprises an asymmetric C-atom in the aliphatic chain, which causes the compound to become chiral (see col. 5, lines 49-60; also, see lines 36-48).

The reference teaching anticipates the claimed invention.

With respect to claims 24-25, the reference mixtures described on col. 5, lines 36-60) will inherently anticipate the claimed invention because the reference mixtures comprises each ingredient of the present invention.

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4. Claims 11-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Coates et al. (US 6,218,578).

The reference discloses a polymeric film composed of an optically anisotropic material made from a crosslinked synthetic resin comprising a polymer network, is obtained by copolymerization of a mixture comprising: (a) at least 1 monomer or oligomer, each having at least 2 polymerizable functional groups selected from (meth)acrylate ester, epoxy and vinyl ether; (b) at least 1 achiral liquid crystalline (LC) monomer or oligomer, each having mesogenic groups and one polymerizable functional group as above; (c) a photoinitiator; (d) inhibitors and/or accelerators; (e) optionally at least 1 chiral component; and (f) optionally at least 1 LC mono- or dithiol compound. The chiral compound of (e) and this compound of (f) can act as nonpolymerizable liquid crystal of the present invention. Furthermore, the reference teaches that a quantity of up to 50% by weight of a nonpolymerizable liquid-crystalline material can be added to the mixture to adjust the optical properties of the material (see col. 7, lines 64-67). The reference polymeric film shown on col. 3, item (e) reads on the present percentage of each ingredient of the present invention. The reference examples and results thereof are shown in Table 2. The reference clearly anticipates the claimed invention.

With respect to claims 24-25, the reference examples will inherently anticipate the claimed property because the reference mixtures comprise each ingredient of the present invention.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to /Shean C. Wu/ whose telephone number is 571-272-1393. The examiner can normally be reached on 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> /Shean C Wu/ Shean C Wu **Primary Examiner** Art Unit 1756

scw